Bus. Adm. Lib.

JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION

CONTENTS OF VOLUME 38

ARTICLES 1, 143, 271, 387
BOOK REVIEWS 125, 250, 367, 473
PUBLICATIONS RECEIVED 140, 269, 384, 493
MEMORIAL NOTES 105, 107, 110, 112, 247, 365, 471
REPORTS AND OFFICIAL NOTICES: REPORT OF THE BOARD OF DIRECTORS, 113; REPORT OF THE SECRETARY, 116; REPORT OF THE COMMITTEE ON FELLOWS, 117; REPORTS OF THE TREASURER AND THE AUDITORS, 118–122; LIST OF COMMITTEES AND REPRESENTATIVES FOR 1942, 123–124; COMMITTEE ON NOMINATIONS, 366.

ARTICLES, NOTES AND DISCUSSIONS

AMERICAN STATISTICAL ASSOCIATION, A SPECIAL COMMITTEE OF THE. An Appraisal of the U. S. Bureau of Labor Statistics Cost of Living Index 387
ANONYMOUS. Norman John Silberling, 1892–1942 112
ANONYMOUS. The Study of Cycles 248
BERKSON, JOSEPH. Experience with Tests of Significance: Reply to Professor R. A. Fisher 242
BROOKS, EDITH, see KARSTEN, KARL
BRUNER, NANCY, see DAVIES, G. R.
CAVE, ROY C. Variations in Expenditures where Families of Wage Earners and Clerical Workers are Classified by Economic Level. 445
COCHRAN, W. G. Analysis of Variance for Percentages Based on Unequal Numbers 287
COMSTOCK, R. E. Overestimation of Mean Squares by the Method of Expected Numbers 335
COTTAM, HOWARD R. Housing Scales for Rural Pennsylvania 406
COWDEN, DUDLEY J. Correlation Concepts and the Doolittle Method. . 327
DALY, PATRICIA, and DOUGLAS, PAUL H. The Production Function for Canadian Manufactures 178
DAVIES, G. R., and BRUNER, NANCY. A Second Moment Correction for Grouping 63
DAVIS, SHELBY CULLOM. Coordinating Production for War. 417
DEIBLER, F. S. Horace Secrist, 1881–1943. 365
DEMING, W. EDWARDS, see Hansen, Morris H.
DEMING, W. EDWARDS, see Tepping, Benjamin J.

DOUGLAS, PAUL H., see Daly, Patricia
DURAND, E. DANA. A. Manuel Fox, 1889–1942 105
DURAND, JOHN D., see Mautz, William H.
ECKLER, A. ROSS, and STAUDT, E. P. Marketing and Sampling Uses of Population and Housing Data 87
EZEKIEL, MORDECAI. Choice of the Dependent Variable in Regression Analysis—Comments 214
FISHER, R. A. Note on Dr. Berkson's Criticism of Tests of Significance . . 103
GAGE, ROBERT. Contents of Tippett's "Random Sampling Numbers". . 223
HANSEN, MORRIS H., and DEMING, W. EDWARDS. On Some Census Aids to Sampling 353
HINRICHS, A. F. Charles P. Neill, 1865–1942 110
HIRSCHMAN, ALBERT O. On Measures of Dispersion for a Finite Distribution 346
HOLMES, IRVIN. Some Sampling Uses of Data from the Census of Agriculture 78
HURWITZ, WILLIAM N., see Tepping, Benjamin J.
JONES, HOWARD L. Fitting Polynomial Trends to Seasonal Data by the Method of Least Squares 453
KARSTEN, KARL, and BROOKS, EDITH. "Retro" Charts 302
KELLEY, TRUMAN L. The Evidence for Periodicity in Short Time Series. . 319
KNUDSEN, LILA F. A Method for Determining the Significance of a Shortage 466
LOTKA, ALFRED J. Some Reflections—Statistical and Other—on a Non-Material Universe 1
MCCORMICK, THOMAS C. An Approach to the Measurement of Farm Population Pressure in Wisconsin 165
MAUTZ, WILLIAM H., and DURAND, JOHN D. Population and War Labor Supply 31
MOORE, GEOFFREY H., and WALLIS, W. ALLEN. Time Series Significance Tests Based on Signs of Differences 153
MYERS, ROBERT J. Comparison of Demographic Rates Assumed by the National Resources Committee with Actual Experience 201
MYERS, ROBERT J., and OBER, HARRY. Statistics for Wage Stabilization . 425
NORTHRUP, M. STARR, see Webb, John N.
OBER, HARRY, see Myers, Robert J.
PALMER, GLADYS L. Factors in the Variability of Response in Enumerative Studies 143
PAYNE, STANLEY L., see Webb, John N.
PIERCE, JOSEPH A. Correction Formulas for Moments of a Grouped-Distribution of Discrete Variates 57
PLATT, JOHN R. A Mechanical Determination of Correlation Coefficients and Standard Deviations 311
POLITZ, ALFRED. Family Versus Individual in Measurement of Audiences . 233
RICE, WILLIAM B. Quality Control Applied to Business Administration. . 228
ROGERS, BEATRICE A., and TUCKER, DONALD S. Davis Rich Dewey, 1858–1942 107
SHAPIRO, SOLOMON. The Distribution of Deposits and Currency in the United States, 1929–1939 438
SHYROCK, HENRY S., JR. Internal Migration and the War 16

SIEGEL, IRVING H. Note on a Common Statistical Inequality 217
SIMMONS, C. D. Edward Lewis Dodd, 1875–1943. 247
SMITH, HERBERT G. Utility of Statistical Method in Aerodynamics . . 341
STAUDT, E. P., see Eckler, A. Ross
TEPER, LAZARE. Observations on the Cost of Living Index of the Bureau of Labor Statistics. 271
THORNDIKE, E. L., and WOODYARD, ELLA. The Cost of Living in Cities in Relation to Their Size and Latitude. 238
THORP, WILLARD L. Paul T. Cherington, 1876–1943. 471
TUCKER, DONALD S. The Interest Rate and Saving 101
TUCKER, DONALD S., see Rogers, Beatrice A.
TUCKER, RUFUS S. The Composition of Income and Ownership of Capital by Income Classes in the United States in 1936 187
TEPPING, BENJAMIN J., HURWITZ, WILLIAM N., and DEMING, W. EDWARDS. On the Efficiency of Deep Stratification in Block Sampling. 93
WALLIS, W. ALLEN, see Moore, Geoffrey H.
WAUGH, FREDERICK V. Choice of the Dependent Variable in Regression Analysis 210
WEBB, JOHN N., NORTHRUP, M. STARR, and PAYNE, STANLEY L. Practical Applications of Theoretical Sampling Methods. 69
WHITE, R. CLYDE. The Social Insurance Movement. 358
WICKENS, ARYNESS JOY, and WILLIAMS, FAITH M. Notes on Mr. Teper's Observations 285
WILLIAMS, FAITH M., see Wickens, Aryness Joy
WOODYARD, ELLA, see Thorndike, E. L.
WORKING, HOLBROOK. Statistical Laws of Family Expenditure . . . 43

BOOK REVIEWS

ALTMAN, GEORGE T. *Federal Tax Course.* James D. Paris 373
BACKMAN, JULES, see Stein, Emanuel
BARGER, HAROLD. *Outlay and Income in the United States, 1921–1938.* Everett E. Hagen 368
BARGER, HAROLD, and LANDSBERG, HANS H. *American Agriculture, 1899–1939.* Mordecai Ezekiel 484
BEEBE, GILBERT WHEELER. *Contraception and Fertility in the Southern Appalachians.* Margaret Jarman Hagood 252
BENNETT, KENNETH R., see Pearson, Frank A.
BERG, EVELYN VAN EMDEN, see Brewington, Ann
BERRY, THOMAS SENIOR. *Western Prices before 1861, A Study of the Cincinnati Market.* Ernest W. Williams, Jr. 485
BOWLEY, A. L. (Editor). *Studies in the National Income, 1924–1938.* Milton Gilbert 473
BREWINGTON, ANN, and BERG, EVELYN VAN EMDEN. *The Women Graduates of a Collegiate School of Business.* David Yentis 130
BROOKINGS INSTITUTION. *Refugee Settlement in the Dominican Republic.* Erich W. Zimmermann 254
BUTTERBAUGH, GRANT I. *The Measurement of Business Activity in the Puget Sound Area.* Bervard Nichols 483
CHASE, STUART. *The Road We Are Traveling.* Forrest H. Kirkpatrick . . 377

CLARK, CARRIE PATTON, see Clark, Fred E.
CLARK, FRED E., and CLARK, CARRIE PATTON. *Principles of Marketing.* Howard T. Hovde 376
Commodity Statistics, The 1942 Commodity Year Book. Oscar L. Endler . . 260
Commodity Year Book. Oscar L. Endler 260
CRUM, WILLIAM L., FENNELLY, JOHN F., and SELTZER, LAWRENCE H. *Fiscal Planning for Total War.* Alfred G. Buehler 479
CULLITON, JAMES W. *Make or Buy.* Charles E. Young 261
DAVIS, HIRAM S. *Wool and the War.* R. R. Renne 262
EIDENÖSSISCHES STATISTISCHES AMT. *Neue Schweizerische Sterbetafeln.* Georg Wolff 125
Encyclopaedia Britannica World Atlas. M. J. Proudfoot 135
FABRICANT, SOLOMON. *Employment in Manufacturing, 1899–1939.* Daniel Creamer 481
FAVILLE, DAVID E., JONES, D. M., AND SONNE, R. B. *Merchandise Availability in Utah.* Dilworth Walker 138
FENNELLY, JOHN F., see Crum, William L.
FRIEND, IRWIN, see Goldsmith, Raymond W.
FURNESS, J. W., see Leith, C. K.
GOLDSMITH, RAYMOND W., PARMELEE, R. C., FRIEND, I., GORHAM, J., and GRANBY, H. *Distribution of Ownership in the 200 Largest Nonfinancial Corporations.* Ralph C. Epstein and John H. Myers 136
GORHAM, JAMES, see Goldsmith, Raymond W.
GRANBY, HELENE, see Goldsmith, Raymond W.
GRANBY, HELENE. *Survey of Shareholdings in 1,710 Corporations with Securities Listed on a National Securities Exchange.* Ralph C. Epstein and John H. Myers 136
GRAS, N. S. B. *Harvard Cooperative Society, Past and Present.* Colston Warne 379
GUILFORD, J. P. *Fundamental Statistics in Psychology and Education.* Martin A. Brumbaugh 266
HABERLER, GOTTFRIED. *Consumer Instalment Credit and Economic Fluctuations.* James F. Cusick 256
HALL, MARGUERITE F. *Public Health Statistics.* Clyde V. Kiser 253
HARTKEMEIER, HARRY PELLE. *An Introduction to Managerial Business Statistics.* Donald R. G. Cowan 382
HEANEY, NORMAN S. *Public Trusteeship.* C. Herman Pritchett 487
HOLMES, MAURICE C. *An Outline of Probability and Its Uses.* E. C. Molina . 267
HORTON, DONALD C., LARSEN, HARALD C., and WALL, NORMAN J. *Farm-Mortgage Credit Facilities in the United States.* John B. Schneider . . . 257
JACOBY, NEIL H., see Saulnier, Raymond J.
JONES, DIX M., see Faville, David E.
KATONA, GEORGE. *War Without Inflation.* A. Smithies 367
KISER, CLYDE V. *Group Differences in Urban Fertility.* Frank Lorimer . . 250
LANDSBERG, HANS H., see Barger, Harold
LARSEN, HARALD C., see Horton, Donald C.
LEAGUE OF NATIONS. *Wartime Rationing and Consumption.* M. K. Bennett . 264
LEITH, C. K., FURNESS, J. W., and LEWIS, CLEONA. *World Minerals and World Peace.* Wilbert G. Fritz 375

LEWIS, CLEONA, see Leith, C. K.
MACHLUP, FRITZ. *International Trade and the National Income Multiplier.* Paul A. Samuelson 369
MAGILL, ROSWELL. *The Impact of Federal Taxes.* Richard A. Musgrave . 476
MARGET, ARTHUR W. *The Theory of Prices.* Melchior Palyi. 126
MIGONE, RAUL C. (Editor). *Inter-American Statistical Yearbook, 1942.* Myron E. Andrews. 374
MOLINA, E. C. *Poisson's Exponential Binomial Limit.* J. Neyman . . . 134
NATIONAL BUREAU OF ECONOMIC RESEARCH, CONFERENCE ON RESEARCH IN INCOME AND WEALTH. *Income Size Distributions in the United States, Part I.* Daniel Creamer 475
NIENSTAEDT, L. R. *Economic Equilibrium, Employment and Natural Resources.* Elmer C. Bratt 371
PARMELEE, REXFORD C., see Goldsmith, Raymond W.
PAYNE, WILSON F. *Business Behavior 1919–1922.* V. P. Timoshenko. . . . 258
PEARSON, FRANK A., and BENNETT, KENNETH R. *Statistical Methods Applied to Agricultural Economics.* E. L. Butz 265
PETERS, J. (compiled by). *Seven-Place Values of Trigonometric Functions.* Kenneth N. Ogle 268
ROBISON, SOPHIA M. (Editor). *Jewish Population Studies.* Georg Wolff . . 381
ROSTAS, L., see Shirras, G. Findlay
SAULNIER, RAYMOND J., and JACOBY, NEIL H. *Accounts Receivable Financing.* Robert D. Ayars 480
SELTZER, LAWRENCE H., see Crum, William L.
SHIRRAS, G. FINDLAY, and ROSTAS, L. *The Burden of British Taxation.* Tipton R. Snavely 478
SIMON, HERBERT A., et al. *Determining Work Loads for Professional Staff in a Public Welfare Agency.* Constance Hastings 132
SONNE, RICHARD B., see Faville, David E.
STEIN, EMANUEL, and BACKMAN, JULES (Editors). *War Economics.* Alfred G. Beuhler 129
STIGLER, GEORGE J. *The Theory of Competitive Price.* J. P. Miller. . . . 128
STURMTHAL, ADOLF. *The Tragedy of European Labor, 1918–1939.* Robert I. Crane 488
TAX INSTITUTE. *Tax Yields: 1941.* Henry S. Bloch 477
*TEMPORARY NATIONAL ECONOMIC COMMITTEE
TOMASEVICH, JOZO. *International Agreements on Conservation of Marine Resources.* Reginald H. Fiedler 486
TRELOAR, ALAN E. *Random Sampling Distributions.* Margaret Merrell . . 133
TWENTIETH CENTURY FUND. *How Collective Bargaining Works.* Dale Yoder 131
VON MERING, OTTO. *The Shifting and Incidence of Taxation.* Carl S. Shoup . 372
WALKER, HELEN M. *Elementary Statistical Methods.* Laverne K. Burke . 489
WALL, NORMAN J., see Horton, Donald C.
WILKS, S. S. *Mathematical Statistics.* Abraham Wald 491
ZAPOLEON, MARGUERITE W. *Community Occupational Surveys.* Harold F. Clark. 490

* For TNEC Monographs Nos. 29 and 30, see Goldsmith and Granby.

BOOK REVIEWERS

Andrews, Myron E., 374
Ayars, Robert D., 480
Bennett, M. K., 264
Bloch, Henry S., 477
Bratt, Elmer C., 371
Brumbaugh, Martin A., 266
Buehler, Alfred G., 129, 479
Burke, Laverne K., 489
Butz, E. L., 265
Clark, Harold F., 490
Cowan, Donald R. G., 382
Crane, Robert I., 488
Creamer, Daniel, 475, 481
Cusick, James F., 256
Endler, Oscar L., 260
Epstein, Ralph C., 136
Ezekiel, Mordecai, 484
Fiedler, Reginald H., 486
Fritz, Wilbert G., 375
Gilbert, Milton, 473
Hagen, Everett E., 368
Hagood, Margaret J., 252
Hastings, Constance, 132
Hovde, Howard T., 376
Kirkpatrick, Forrest H., 377
Kiser, Clyde V., 253
Lorimer, Frank, 250
Merrell, Margaret, 133
Miller, J. P., 128
Molina, E. C., 267
Musgrave, Richard A., 476
Myers, John H., 136
Neyman, J., 134
Nichols, Bervard, 483
Ogle, Kenneth N., 268
Palyi, Melchior, 126
Paris, James D., 373
Pritchett, C. Herman, 487
Proudfoot, M. J., 135
Renne, R. R., 262
Samuelson, Paul A., 369
Schneider, John B., 257
Shoup, Carl S., 372
Smithies, A., 367
Snavely, Tipton R., 478
Timoshenko, V. P., 258
Wald, Abraham, 491
Walker, Dilworth, 138
Warne, Colston, 379
Williams, Ernest W., Jr., 485
Wolff, Georg, 125, 381
Yentis, David, 130
Yoder, Dale, 131
Young, Charles E., 261
Zimmermann, Erich W., 254